

The generators of 72 are;

$\frac{1}{72}$ $\frac{5}{72}$ $\frac{7}{72}$ $\frac{11}{72}$ $\frac{13}{72}$ $\frac{17}{72}$ $\frac{19}{72}$ $\frac{23}{72}$ $\frac{25}{72}$ $\frac{29}{72}$ $\frac{31}{72}$ $\frac{35}{72}$

(or their complements and reciprocals).

These are co-prime fractions, and each is listed once in the Scale-Tree.

Hanson uses $19/72$. Secor uses $7/72$.

PITCHES FOR 72-TONE, HEBDOMEKONTANY SCALE

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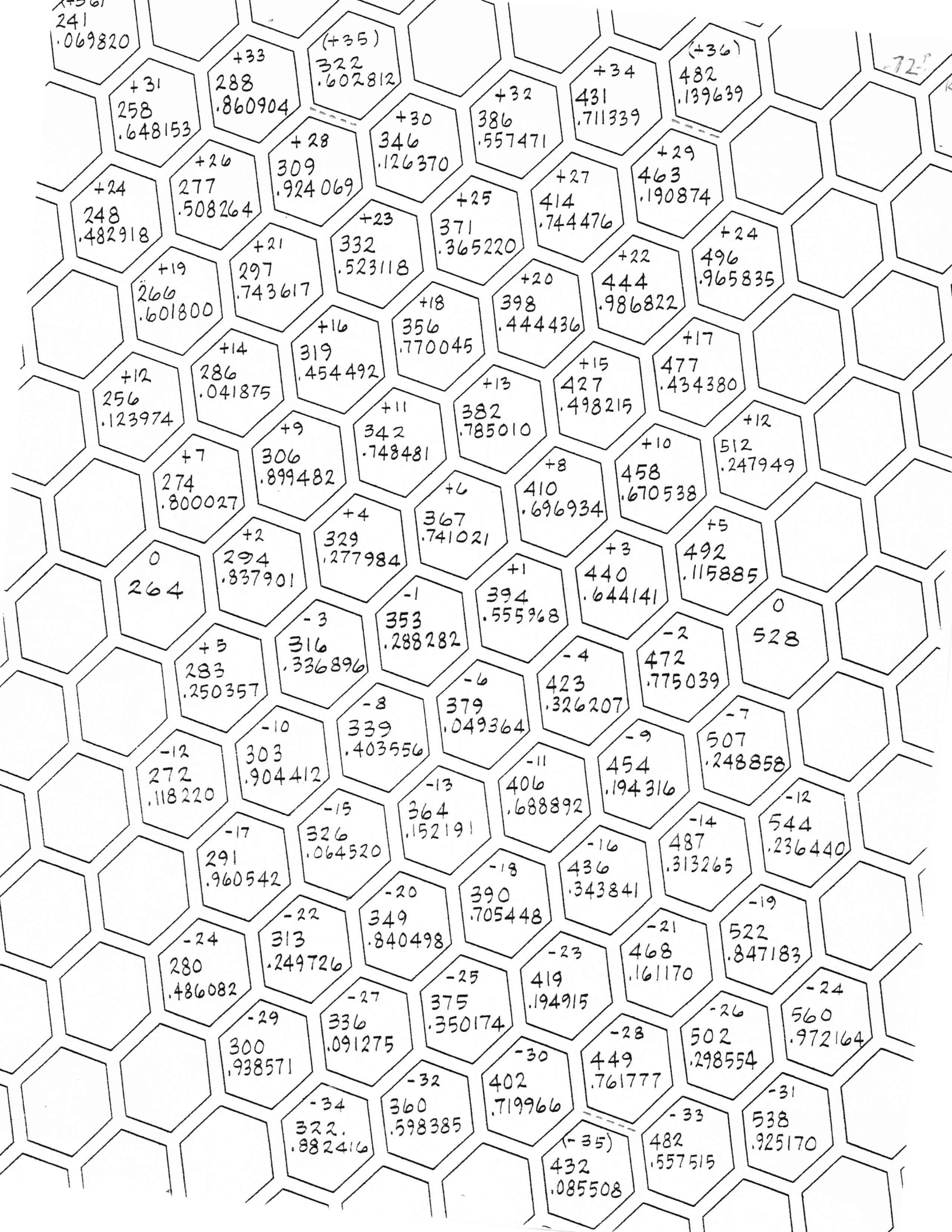
(base $2^{12}/15$)

Degree:	Chain Pos.	Function:	Pitch	Scalatron Tuner Setting
70.	+34	3.5.9.15	270	- 2 3 - - - 8 9 -
71.	+53	3.7.13.15, 5.7.9.13	273	- - - 4 5 - - 8 9 -
72/0.	±0	(5.7-11/3)	273.77...	1 - 3 4 5 - - 8 9 -
1.	+19	3.7.9.11	277.2	1 - - - 5 6 - 8 9 -
2.	+38	1.5.7.15	280	1 - - - - - 7 8 9 -
3.	+57	(3 ² .7.9.15)	283.5	1 - 3 - 5 - 7 8 9 -
4.	+4	1.11.13.15, 3.5.11.13	286	1 2 - - - 6 7 8 9 -
5.	+23	1.3.5.9	288	1 - 3 4 - 6 7 8 9 -
{ 6.	+42	1.3.7.13	291.2	1 2 3 4 5 6 7 8 9 -
{ (6.)	+42	5.9.13.15	292.5	1 - 3 - - - - - 10
7.	-11	5.11.15/3	293.33...	- 2 - 4 - - - - 10
8.	+8	3.9.11.15	297	1 - 3 4 5 - - - - 10
9.	+27	7.9.11.13	300.3	1 - 3 4 - 6 - - - 10
10.	+46	(1.3 ² .7.9)	302.4	- - - 4 5 6 - - - 10
11.	-7	(1.11.13)	305.066...	- - 3 - - - 7 - - 10
12.	+12	1.7.11.15, 3.5.7.11	308	- 2 - - 5 - 7 - - 10
13.	+31	1.3.13.15, 1.5.9.13	312	1 - 3 - - 6 7 - - 10
14.	+50	5.7.9.15	315	1 2 - - 5 6 7 - - 10
15.	-3	1.3.9.11	316.8	1 2 - 4 5 6 7 - - 10
16.	+16	9.11.13.15	321.75	1 - - - 5 - - 8 - 10
17.	+35	(1.3 ² .9.15)	324	- 2 - 4 5 - - 8 - 10
18.	+54	3.7.9.13	327.6	1 - - 4 - 6 - 8 - 10
19.	+1	3.5.11.15	330	1 2 - - 5 6 - 8 - 10
20.	+20	5.7.11.13	333.66...	- 2 - - - - 7 8 - 10
21.	+39	1.3.7.15, 1.5.7.9	336	- - 3 4 - - 7 8 - 10
22.	+58	(3.5.7.13.15)	341.25	- - - - - 6 7 8 - 10
23.	+5	1.9.11.13	343.2	- - - 4 - 6 7 8 - 10
24.	+24	7.9.11.15	346.5	- - 3 - 5 6 7 8 - 10
25.	+43	3.9.13.15	351	1 - 3 - - - - 9 10
26.	-10	1.3.5.11	352	- - - 4 - - - - 9 10
27.	+9	5.11.13.15	357.5	- - 3 4 5 - - - 9 10
28.	+28	1.5.9.15	360	- - 3 - - 6 - - 9 10
29.	+47	1.7.13.15, 3.5.7.13	364	- 2 - - 5 6 - - 9 10
30.	-6	(5.7.11/3 ²)	365.037...	- 2 3 - 5 6 - - 9 10
31.	+13	1.7.9.11	369.6	1 - 3 - - - 7 - 9 10
32.	+32	1.3.9.13	374.4	- - 3 5 - - 7 - 9 10
33.	+51	3.7.9.15	378	- - - - 6 - 7 - 9 10

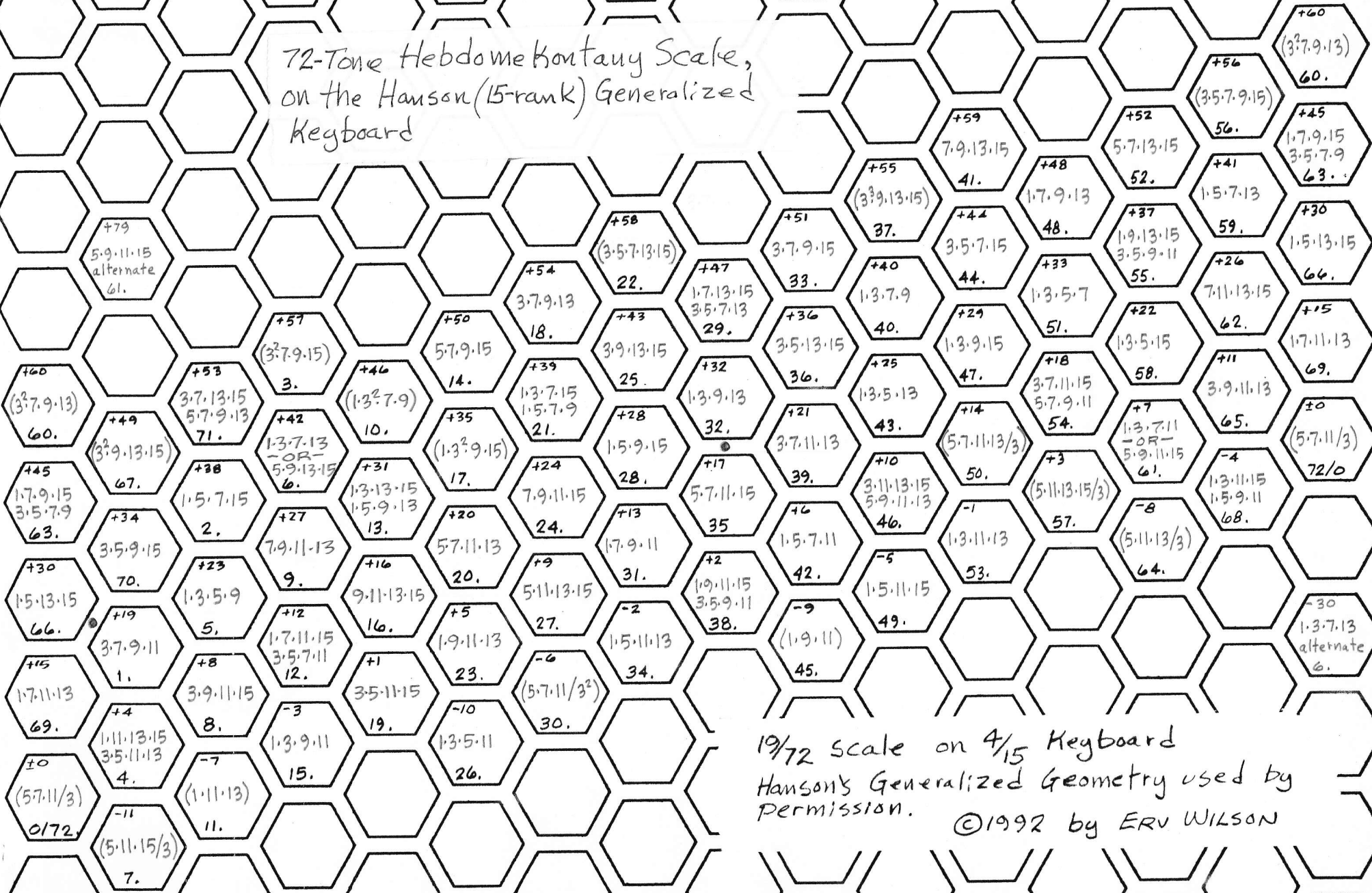
Degree:	Chain Pos.	Function:	Pitch:	ScalaTron Tuner Setting
34.	-2	1.5.11.13	381.33...	- 2 - 4 - 6 7 - 9 10
35.	+17	5.7.11.15	385	1 - 3 - 5 6 7 - 9 10
36.	+36	3.5.13.15	390	- - 3 - - - - 8 9 10
37.	+55	3 ² .9.13.15	394.875	- 2 - - 5 - - 8 9 10
38.	+2	1.9.11.15, 3.5.9.11	396	1 - 3 - 5 - - 8 9 10
39.	+21	3.7.11.13	400.4	- 2 - - - 6 - 8 9 10
40.	+40	1.3.7.9	403.2	- 2 - 4 - 6 - 8 9 10
41.	+59	7.9.13.15	409.5	1 2 - 4 5 6 - 8 9 10
42.	+6	1.5.7.11	410.66	- 2 3 4 5 6 - 8 9 10
43.	+25	1.3.5.13	416	- - 3 4 - - 7 8 9 10
44.	+44	3.5.7.15	420	- 2 3 - 5 - 7 8 9 10
45.	-9	(1.9.11)	422.4	- - 3 4 5 - 7 8 9 10
46.	+10	3.11.13.15, 5.9.11.13	429	- - 3 4 - 6 7 8 9 10
47.	+29	1.3.9.15	432	- - 3 - 5 6 7 8 9 10
48.	+48	1.7.9.13	436.8	1 2 3 4 5 6 7 8 9 10
49.	-5	1.5.11.15	440	1 - 3 4 - - - - -
50.	+14	(5.7.11.13/3)	444.88...	1 2 - - - 6 - - - -
51.	+33	1.3.5.7	448	1 - - - 5 6 - - - -
52.	+52	5.7.13.15	455	- - - - 5 - 7 - - -
53.	-1	1.3.11.13	457.6	1 2 - 4 5 - 7 - - -
54.	+18	3.7.11.15, 5.7.9.11	462	- 2 3 4 - 6 7 - - -
55.	+37	1.9.13.15, 3.5.9.13	468	1 2 3 - - - - 8 - -
56.	+56	(3.5.7.9.15)	472.5	1 - - 4 5 - - 8 - -
57.	+3	(5.11.13.15/3)	476.66...	- 2 - 4 - 6 - 8 - -
58.	+22	1.3.5.15	480	1 2 3 - 5 6 - 8 - -
59.	+41	1.5.7.13	485.33...	1 2 4 - - - 7 8 - -
60.	+60	3 ² .7.9.13	491.4	- 2 - - - 6 7 8 - -
{(61.)	+7	1.3.7.11	492.8	1 2 3 - - 6 7 8 - -
61.	+7	5.9.11.15	495	1 2 3 4 - 6 7 8 - -
62.	+26	7.11.13.15	500.5	1 2 - - - - - 9 -
63.	+45	1.7.9.15, 3.5.7.9	504	1 2 3 4 - - - - 9 -
64.	-8	5.11.13/3	508.44...	- - - - - 6 - - 9 -
65.	+11	3.9.11.13	514.8	1 - 3 - 5 6 - - 9 -
66.	+30	1.5.13.15	520	- 2 3 - - - 7 - 9 -
67.	+49	(3 ² .9.13.15)	526.5	1 2 - 4 5 - 7 - 9 -
68.	-4	1.3.11.15, 1.5.9.11	528	- - - - - 6 7 - 9 -
69.	+15	1.7.11.13	533.866...	1 2 - - 5 6 7 - 9 -

		+52	+56	+60														
			(3.5.7.9.15)	(3 ² .7.9.13)														
		52,	56,	60,														
	+37	+41	+45	+49	+53	+57	spare											
			1.7.9.15 3.5.7.9	(3 ² .9.13.15)	3.7.13.15 5.7.9.13	(3 ² .7.9.15)	5.9.13.15 *											
	55,	59,	63,	67,	71,	3,												
+22	+26	+30	+34	+38	+42	+46	+50	+54	+58									
		1.5.13.15	3.5.9.15	1.5.7.15	1.3.7.13 5.9.13.15	(1.3 ² .7.9)	5.7.9.15	3.7.9.13	(3.5.7.13.15)									
58,	62	66,	70,	2,	6,*	10,	14,	18,	22,									
+11	+15	+19	+23	+27	+31	+35	+39	+43	+47	+51	+55	+59						
	1.7.11.13	3.7.9.11	1.3.5.9	7.9.11.13	1.3.13.15 1.5.9.13	(1.3 ² .9.15)	1.3.7.15 1.5.7.9	3.9.13.15	1.7.13.15 3.5.7.13	3.7.9.15	(3 ² .9.13.15)	7.9.13.15						
65,	69,	1,	5,	9,	13,	17,	21,	25,	29,	33,	37,	41,						
±0	+4	+8	+12	+16	+20	+24	+28	+32	+36	+40	+44	+48	+52					
(5.7.11/3)	1.11.13.15 3.5.11.13	3.9.11.15	1.7.11.15 3.5.7.11	9.11.13.15	5.7.11.13	7.9.11.15	1.5.9.15	1.3.9.13	3.5.13.15	1.3.7.9	3.5.7.15	1.7.9.13	5.7.13.15					
0/72.	4,	8,	12,	16,	20,	24,	28,	32,	36,	40	44,	48,	52,	56,				
-11	-7	-3	+1	+5	+9	+13	+17	+21	+25	+29	+33	+37	+41					
(5.11.15/3)	(1.11.13)	1.3.9.11	3.5.11.15	1.9.11.13	5.11.13.15	1.7.9.11	5.7.11.15	3.7.11.13	1.3.5.13	1.3.9.15	1.3.5.7	1.9.13.15 3.5.9.13	1.5.7.13					
7,	11,	15,	19,	23,	27,	31,	35,	39,	43,	47,	51,	55,	59,	63,				
			-10	-6	-2	+2	+6	+10	+14	+18	+22	+26	+30					
			1.3.5.11	(5.7.11/3 ²)	1.5.11.13	1.9.11.15 3.5.9.11	1.5.7.11	3.11.13.15 5.9.11.13	(5.7.11.13/3)	3.7.11.15 5.7.9.11	1.3.5.15	7.11.13.15	1.5.13.15					
			26,	30,	34,	38,	42,	46,	50	54,	58,	62,	66,	70				
							-9	-5	-1	+3	+7	+11	+15	+19				
							(1.9.11)	1.5.11.15	1.3.11.13	(5.11.13.15/3)	1.3.7.11 5.9.11.15	3.9.11.13	1.7.11.13					
							45,	49,	53,	57	61,	65,	69,	1,				
									spare	-8	-4	±0	+4	+8				
									1.3.7.11 †	(5.11.13/3)	1.3.11.15 1.5.9.11	(5.7.11/3)						
									64,	68,	72/0	4,	8,					

(4/8) 1, 3, 5, 7, 9, 11, 13, 15 Hebdome Kontang,
 19/72 scale, 3/11 keyboard
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 (Hanson Keyboard geometry used by permission)

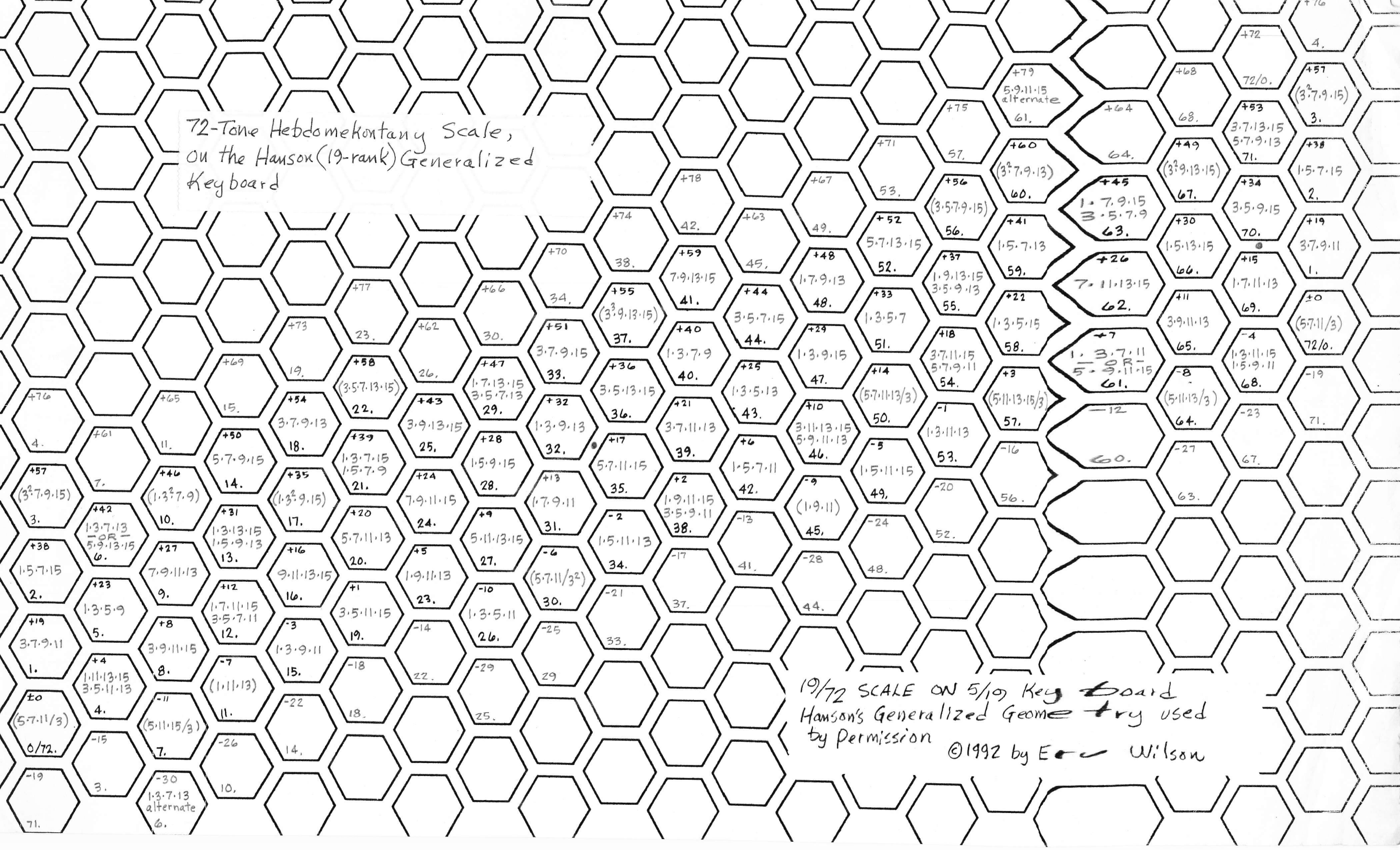


72-Tone Hebdomekontauy Scale,
on the Hanson (15-rank) Generalized
Keyboard



19/72 scale on 4/15 Keyboard
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72-Tone Heptadecakontany Scale,
on the Hanson (19-rank) Generalized
Keyboard



19/72 SCALE ON 5/19 Key board
Hanson's Generalized Geometry used
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Logz

.983706	.015942
.999647	.004104
.003752	.017922
.021674	.014499
.036173	.017922
.054095	.012666
.066762	.010054
.076815	.015942
.092757	.006426
.099183	.004104
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.262682	.010531
.273213	.015942
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